



FOR IMMEDIATE RELEASE

VMAC Releases New Technology for PTO Driven Air Compressor & Hydraulic Systems

Nanaimo, B.C. – VMAC is releasing state-of-the-art PTO driven technology that will set a new standard for air compressor and hydraulic multi-power systems.

VMAC has created the next generation of its Direct-Transmission™ Mounted Multi-Power System, the DTM70-H, which is now available for release. VMAC's DTM70-H is designed as a configurable, all-in-one solution for service trucks fitted with hydraulic cranes or other hydraulic components, while also providing powerful air-on-demand capability.

The new DTM70-H features a priority valve and an intelligent throttle control system to allow for variable air-on-demand with increased CFM output, while simultaneously providing steady GPM output.

The throttle control technology is currently used in UNDERHOOD™ air compressors, automatically idling the truck's engine up and down to match air demand. However, it is challenging to implement variable air flow on an air compressor that is integrated with a hydraulic system, due to the need for steady flow rate in many hydraulic systems.

Fortunately, the priority valve overcomes that challenge. A hydraulic bypass circuit contains a priority flow control valve, which diverts excess hydraulic flow back into the reservoir tank before it reaches the crane, and allows the control system to increase engine RPM resulting in higher CFM output without over-speeding the crane.

“Cranes require steady hydraulic flow, while air systems can benefit from adaptive air-on-demand control, providing maximum air flow only when it is needed. Combining both these functions into one sophisticated system gives operators the best of both worlds,” said Chris Moyle, Engineering Lead for the DTM70-H.

The DTM70-H also allows operators to switch between fixed and variable operating modes. Fixed mode maintains a pre-set low engine RPM for running hydraulic equipment and providing a steady rate of compressed air. Variable mode enables engine RPM to increase and decrease automatically based on air demand, while still maintaining steady hydraulic flow. Both modes enable hydraulic equipment to operate at their required speeds.

The DTM70-H is engineered to fit 2017-2020+ Ford F250 to F550 Super Duty 6.7L Power Stroke diesel 4x2 and 4x4 work trucks with 6-speed and 10-speed TorqShift™ Automatic Transmissions. The priority flow control valve and intelligent throttle control are available for 2020+ model year work trucks only.

VMAC first released the DTM70-H in 2017, solving the need for a multi-power hydraulics and compressed air system that uses a direct-drive connection—a superior alternative to shaft-driven PTO systems, which require modification to the Ford transfer case and are known to cause alignment issues. The DTM70-H also reduces installation time by up to 30%, takes up no deck space, and reduces GVW by up to 600 lb when compared to other hydraulic systems.

Innovating existing successful products reflects the heart of VMAC's lean manufacturing culture, which challenges coworkers to continually seek improvements in all facets of business.

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About VMAC

VMAC is the leader in compressed air innovation and one of the only true air compressor manufacturers in North America. With over 30 years of history, this award-winning company designs and manufactures mobile air compressors and multi-power systems, earning a reputation for extraordinary build quality, durability, and reliability in extreme conditions among operators and fleet managers.



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